

WHAT IS CLAIMED IS:

1. A pedal device for a vehicle having a pedal member depressed by the driver, and arm member engaged with the pedal member, for turning when the pedal member is depressed, and transmitting driver's force-on-pedal to the brake master cylinder, further comprising;

a footrest means for restricting the turning of the arm member when the driver's force-on-pedal which acts on pedal member is less than the fixed value, and

wherein said pedal member is composed of footplate to be depressed by the driver, and protruding portion engaged with the footplate, on which driver's heel can be put.

2. The pedal device for a vehicle according to claim 1, wherein said heel putting part is a protruding portion fixed to the bottom of said footplate.

3. The pedal device for a vehicle according to claim 1, wherein said heel putting part is a sliding portion supported rotatably at the bottom of said footplate, which can slide on the floor face of the vehicle.

4. The pedal device for a vehicle according to claim 1, wherein said pedal member is supported rotatably with respect to said

arm member, and said arm member has the stopper which restricts the movement of said pedal member.

5. The pedal device for a vehicle according to claim 1, further comprising;

a force-on-pedal detection means arranged in said footplate, for detecting driver's force-on-pedal,

a foot load detection means arranged on said heel putting portion, for detecting driver's foot load, and

a footrest force calculation means for controlling said footrest means based on at least one output of said foot load detection means and said force-on-pedal detection means.

6. The pedal device for a vehicle according to claim 5, wherein said footrest force calculation means calculates the footrest force from the driver's force-on-pedal of the driver detected by said force-on-pedal detection means and foot load detected by said foot load detection means, and adjusts suitable footrest force for an individual driver automatically.

7. The pedal device for a vehicle according to claim 1, further comprising;

a buffer means for generating the torque to resist the turning of said arm means when said pedal means is depressed,

and

wherein said footrest force calculation means controls said buffer means when releasing the restriction of the turning of said arm member by said footrest means, and adjusts the force-on-pedal applied on said pedal member.

8. An automobile using the pedal device for a vehicle having a pedal member depressed by the driver, and arm member engaged with the pedal member, for turning when the pedal member is depressed, and transmitting driver's force-on-pedal to the brake master cylinder, further comprising

a footrest means for restricting the turning of the arm member when the driver's force-on-pedal which acts on pedal member is less than the fixed value, and  
15 wherein said pedal member is composed of footplate to be depressed by the driver, and protruding portion engaged with the footplate, on which driver's heel can be put.